National Aeronautics and Space Administration
NASA Marshall Star : June 2, 2005 : Vol. 45/No. 36

MARSHALL STAR

Serving the Marshall Space Flight Center Community **June 2, 2005**

Griffin

Administrator Griffin to visit Marshall

NASA Administrator Michael Griffin will visit the Marshall Center on Friday, June 3, as he completes a tour of NASA field centers. This will mark his first visit to Marshall since he became the agency's 11th Administrator April 14.

The Administrator will hold a Town Hall meeting with civil service and contractor employees from 2:30 to 3:30 p.m. at Building 4316, the Marshall Center Activities Building. All employees are encouraged to attend the Town Hall meeting, where the Administrator will answer questions from the audience after brief introductory remarks. Marshall Center Director David King also will participate in the question and answer session.

During his one-day visit to the Marshall Center, the Administrator will meet with senior staff members, tour a number of key facilities and speak with managers and employees about Marshall programs.

Marshall holds Honor Awards Day

The Marshall Center held its annual Honor Awards Ceremonies in the Morris Auditorium Wednesday.

There were two ceremonies, the first at 10 a.m. for the Agency, Presidential Rank, One NASA Peer Award-Center Best, and external awards, and at 2 p.m. the Center awards were given along with Research & Technology, Technology Transfer, Invention of the Year, Software of the Year, and Patent Awards.

James L. Jennings, associate deputy administrator for Institutions and Management, spoke and presented the awards to the recipients with Marshall Center Director David King.

Live entertainment was featured at both ceremonies.

See the list of award recipients beginning on page 2.

Angie Daniels juggles tanks, taxes and triplets for Return to Flight

By Rick Smith

It's not unusual for NASA systems engineer Angie Daniels to see very little of her tax-accountant husband in March and April.

But this year, as NASA worked toward mission STS-114, Space Shuttle Return to Flight, Daniels turned the tables on him.

A technical engineer for systems integration supporting the External Tank Project Office at the Marshall Center. Daniels burned the midnight oil at work, while husband Glenn wrapped up tax season, juggling more of the daily household routine and shepherding their active, 7-year-old triplets to school and cheerleading practice.

For Daniels, the big payoff will be worth it. As she and thousands of other NASA workers complete their final tasks and tests, Space Shuttle Discovery is moving milestone by milestone closer to launch.

Daniels' job is to review and process integration requirements for the massive External Tank, the 154-foot-long "backbone" of the Space Shuttle, which delivers its primary fuel load, supports the Shuttle on the launch pad and absorbs the 7.3-million pounds of thrust generated during launch. That means ensuring all aspects of attaching the tank to the Solid Rocket Boosters and the Orbiter -- the other primary components of the Shuttle Transportation System -- go smoothly prior to launch, and meeting all remaining tank preparation requirements as the Shuttle is fueled and prepared for countdown.

Daniels previously served as a safety engineer for the External Tank project. She reviewed the entire project, ensuring the tank team addressed upgrades recommended by the Columbia Accident Investigation Board, which submitted its findings to NASA

See *Daniels* on page 9

2005 NASA-Marshall Center Honor Awards

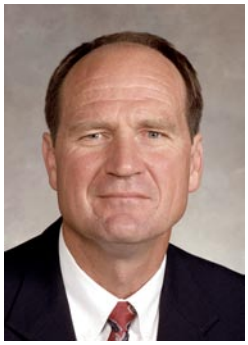
Presidential Rank Awards

David A. King
Marshall Center Director

Rank of Distinguished Executive

Rank of Meritorius Executive

William A. Hicks
Office of Chief Counsel



Michael U. Rudolphi
Shuttle Propulsion Office

Paul M. Munafo
Office of the Director

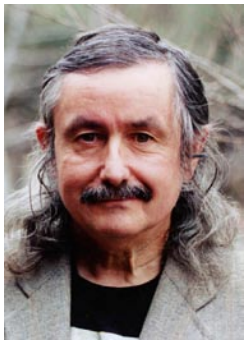
Distinguished Service Medal

David A. King
Office of the Director

Paul M. Munafo
Office of the Director

Johnny Stephenson, Jr.,
Engineering Directorate

Distinguished Public Service Medal



Francis Everett
W.W. Hansen Experimental
Physics Lab

Exceptional Scientific Achievement Medal

Steven T. Suess
Science and Technology
Directorate

Outstanding Leadership Medal

Richard K. Burt
Engineering Directorate

Thomas F. Fleming
Science and Technology Directorate

Robin N. Henderson
Office of the Director

Patrick S. McRight
Engineering Directorate

Neil E. Otte
Engineering Directorate

Nelson C. Parker
Engineering Directorate

Jonathan Q. Pettus
Office of Center Operations

Ronald F. Porter
Space Transportation Programs/Projects Office

Neil E. Rainwater II
Safety and Mission Assurance Directorate

W. Scott Smith
Science and Technology Directorate

James E. Turner
Engineering Directorate

Exceptional Engineering Achievement Medal

Carl G. Justus (Jere)
Morgan Research Corp

James J. Lomas
Engineering Directorate

Equal Employment Opportunity Medal

Donald O. Frazier
Science and Technology Directorate

Exceptional Service Medal

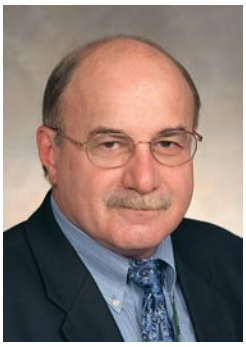
Michael D. Allen
Engineering Directorate

Pamela A. Bourque
Office of the Chief Counsel

James H. Carter
Office of Center Operations

Harold W. Dean
Safety and Mission Assurance Directorate

Michele A. Farr
Engineering Directorate



Clarence R. Gearhart
Office of the Chief Financial Officer

William J. Gentry
Engineering Directorate

David A. Iosco
Office of Procurement

Barron Q. Musick
Engineering Directorate

Creighton M. Seaford
Engineering Directorate

Donna L. Smith
Office of the Chief Financial Officer

Hua-Ching Su
Science and Technology Directorate

Sandra H. Turner
Office of Strategic Communications

Catherine H. White
Engineering Directorate

Exceptional Achievement Medal

James H. Bramblett, Jr.
Office of Human Capital

Thomas M. Danford
Space Systems Programs/Projects Office

Exceptional Achievement Medal (continued)

Ketela K. Helton
Office of Procurement

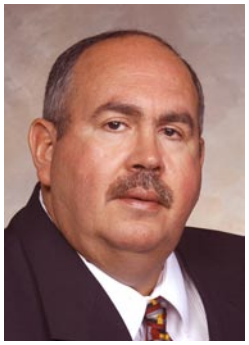
Freida S. Lowery
Office of the Director

Angela L. Marsh
Engineering Directorate

Todd A. May
Space Systems Programs/
Projects Office

Keith H. Presson
Space Systems Programs/
Projects Office

Van L. Strickland
Safety and Mission
Assurance Directorate



Isaias Torres
Engineering Directorate

Exceptional Technology Achievement Medal

Sandra K. Elam
Engineering Directorate

Public Service Medal

Thomas P. Butler
The Boeing Company/
Space Systems
Programs/Project Office

Peter Cauwels
International Business
Machines

Leon McKendrick
Northrop Grumman
Space Technology/Space
Systems Programs/Project
Office

Timothy A. Self
SAIC/Space
Transportation Programs/
Projects Office

Lois Walton-Jackson
Khotol Services
Corporation/Office of
Center Operations

NASA Group Achievement Award

Agency ePayroll Project Team (submitted by NASA Headquarters)
Chandra Flight Operations Team
CISCO Internet Operating System Vulnerability Team
Demonstration of Autonomous Rendezvous Technology Guidance, Navigation, and Control Team
Desktop Video Conference Team
Early Flight Fission - Test Facility Team
External Tank Return-to-Flight
Glovebox Integrated Microgravity Isolation Technology Team
Government Relations Outreach Team
Gravity Probe-B Support Team
In-Situ Fabrication and Repair Team
In-Space Propulsion Solar Sail Team
Integrated Financial Management Portal Implementation Team
International Space Station Quick Disconnect Anomaly Resolution Team
Lightning Mapping Array Team
NASA Financial Statement Audit Reconciliation Team
NASAexplores Team
National Oceanic and Atmospheric Administration Support Team
Node3 Technical/Schedule Re-baselining Team
Orbiter Boom Sensor System Dynamic Characterization Team
Payload Rack Checkout Unit Team
Physical Sciences Research Outreach and Education Team
SERVIR Team
Shuttle Liftoff Debris Analysis Team
Solid Rocket Booster Separation Bolt Catcher Structural Qualification Testing Team
Space Partnership Development Program Office Team
Space Shuttle Orbiter Flowliner Dynamic Analysis and Test for Return-to-Flight
Space Shuttle Orbiter Structural Dynamics Analysis and Test for Rollout Fatigue Environment
Vehicle Integrated Performance Analysis Team
X-37 Guidance, Navigation, and Control Team

Public Service Group Achievement Award

Chandra X-ray Center Director's Office Team
Chandra X-ray Center Science Software Development Team
Huntsville Operations Support Center Systems and Network Management Team
International Space Station Water Processor Assembly and Oxygen Generator Assembly Contract Management Team
MSFC Security Training Team
NASA Explorer Schools Team

Award External to NASA

William M. McMahon, Engineering Directorate,
National Space Club Astronautics Engineer of the Year Award

One NASA Peer Award-Center Best

In-Space Propulsion Technologies Projects Team

MSFC HONOR AWARDS

Director's Commendation Certificate

Robert B. Adams, Space Transportation Programs/Projects Office
Geoffrey S. Beech, Engineering Directorate
David E. Brock, Office of Procurement
Sigrid R. Burge, Office of the Chief Financial Officer
Michael D. Butler, Shuttle Propulsion Office
Thomas D. Byrd, Shuttle Propulsion Office
Connie K. Carrington, Space Systems Programs/Projects Office
Pamela C. Chabelal, Office of the Chief Financial Officer
Norma R. Dugal-Whitehead, Engineering Directorate
Rebecca Farr, Engineering Directorate
Joan G. Funk, Space Transportation Programs/Projects Office
Gary G. Genge, Space Transportation Programs/Projects Office
Ethel Grady, Safety and Mission Assurance Directorate
Helen L. Grant, Science and Technology Directorate
Danny M. Holt, Shuttle Propulsion Office
Prince M. Kalia, Safety and Mission Assurance Directorate
Emily O. Kendal, Science and Technology Directorate
Jerald G. Kerby, Office of the Chief Financial Officer
Lynnette Madison, Office of Strategic Communications
Jennifer McCaghren, Office of Procurement
Preston B. McGill, Engineering Directorate
Rajinder S. Mehta, Engineering Directorate
Roxanne E. Melton, Office of Procurement
Dianne G. Miller, Safety and Mission Assurance Directorate
Robert T. Miller, Office of Center Operations
Jeremy D. Myers, Engineering Directorate
Johnny M. Oddo, Engineering Directorate
Victor E. Pritchett, Engineering Directorate
Douglas Rickman, Science and Technology Directorate
Jack Robertson, Office of Strategic Communications
Larry Schneider, COLSA/Engineering Directorate
Sharon T. Scroggins, Office of Center Operations
Timothy A. Smith, Space Systems Programs/Projects Office
Karen L. Spanyer, Space Transportation Programs/Projects Office
Chad A. Summers, Engineering Directorate
Larry K. Taormina, Engineering Directorate
Allison P. Thompson, Office of the Chief Information Office
William A. Till, Engineering Directorate
Joseph M. Verhage, Space Transportation Programs/Projects Office
Douglas N. Wells, Engineering Directorate
Mark E. West, Engineering Directorate
Robert J. Wingate, Engineering Directorate
Gregory M. Wright, Space Systems Programs/Projects Office

MSFC Certificate of Appreciation

Bryan L. Barley, Office of the Director
Joseph Bell, ERC/Engineering Directorate
Sandra J. Blalock, Engineering Directorate
Amy B. Campbell, Office of Procurement
Loc T. Cao, Engineering Directorate

MSFC Certificate of Appreciation (continued)

Bowes Channel, HEI/Safety and Mission Assurance Directorate
Jeppy L. Clayton, Engineering Directorate
Darrell W. Davis, Engineering Directorate
Susan Davis, Engineering Directorate
Henry Jay Dennis, Shuttle Propulsion Office
Jason Elmore, Engineering Directorate
Jeffery Farmer, Engineering Directorate
Lou A. Fikes, Science and Technology Directorate
John C. Forbes, Engineering Directorate
Trista R. Guthrie, Engineering Directorate
Kathryn C. Hayden, Space Transportation Programs/Projects Office
Johnny L. Heflin, Shuttle Propulsion Office
Kathy G. Huskey, Office of the Chief Financial Officer
Gregory A. Jerman, Engineering Directorate
Steven D. Jones, Sverdrup/Engineering Directorate
Thomas E. Markusic, Science and Technology Directorate
Kevin S. McCarley, Space Systems Programs/Projects Office
Denise McCaul, ASRI/Office of Human Capital
Donald L. Miller, Safety and Mission Assurance Directorate
James D. Moore, Shuttle Propulsion Office
John Morris (Rusty), Morgan Research/Engineering Directorate
Pamela A. Napoletano, Office of Procurement
Richard E. Norman, Engineering Directorate
Elizabeth K. Nunn, Space Systems Programs/Projects Office
Robert H. Polsgrove, Engineering Directorate
Susan Porter, Mainthia/Office of Human Capital
Robert H. Rutherford, Jr., Office of Center Operations
David A. Schaefer, Science and Technology Directorate
Charlotte F. Schrimsher, Office of Center Operations
Joseph B. Solomon, Office of Center Operations
Barbara Ann Stone-Towns, Office of Chief Financial Officer
Jason A. Vaughn, Engineering Directorate
Clara Welch, Space Systems Programs/Projects Office
Sorita B. Wherry, Space Transportation Programs/Projects Office
Jennifer K. Whitworth, TBE/Engineering Directorate
DeLisa L. Wilkerson, Engineering Directorate
Monica C. Williams, Office of Procurement

MSFC Group Achievement Award

2003 A&M High School Senior Day Team
2004 Take Our Children to Work Day Team
Commercial Accounting Team
Demonstration of Autonomous Rendezvous Technology Advanced Video Guidance Systems Software Development Team
Environmental Control & Life Support Systems Operations Development Team
External Tank PAL Ramp Test and Analysis Team
Friction Stir Welding Team
Heating, Ventilation, and Air Conditioning Operations Team
High Pressure Oxygen Turbopump Knife Edge Seal Anomaly Resolution Team
Integrated Powerhead Demonstrator Oxygen Rich Preburner Test Team
International Space Station Carbon Dioxide Removal Assembly Filter Development Team
Marshall Space Flight Center Disposal Team
Marshall Space Flight Center Return-to-Flight Move Team
MSFC Logistics Service Request System Team
Natural Environment Definition for Design Team
Office of Safety and Mission Assurance Independent Assessment Team
Patchlink Implementation Team
Payload and Components Real-Time Automated Test System Team
Payload Planning System Reengineering Team
Program Control Training Team
Return-to-Flight Independent Assessment Team
XD Administrative Office Team
SHIVA Mechanisms/Non-Propulsive Fluids Systems Team
Short Term Prediction Research and Transition Team
SSME Controller F60 Anomaly Resolution Team
SSME Liquid Air Insulation Improvement Team
TD Business Review Team
Test Project Team - at the Hydrogen Cold Flow Facility

Research and Technology Award

Dean C. Alhorn, Engineering Directorate
Ronald D. Beshears, Engineering Directorate
Jeri M. Briscoe, Engineering Directorate
David A. Gwaltney, Engineering Directorate
Jay L. Perry, Engineering Directorate
Samuel S. Russell, Engineering Directorate
Stephen M. Strickland, Engineering Directorate
Frank Thomas, Engineering Directorate
Kristin M. Tomes, Engineering Directorate
James Walker, Engineering Directorate

Technology Transfer Award

Eric L. Corder, Engineering Directorate
Paul Hale, TRAX/Engineering Directorate
Carl G. Justus, (Jere), Morgan Res. Corp./Engineering Directorate
Sammy A. Nabors, Engineering Directorate
Harry F. Schramm, Engineering Directorate
Mitch Ward, Engineering Directorate

Patent Award

Michael Book, Engineering Directorate
Thomas Bryan, Engineering Directorate
Jonathan Campbell, Space Systems Programs/Projects Office
Robert W. Carter, Engineering Directorate
Richard Dabney, Engineering Directorate
Susan Elrod, Engineering Directorate
Hector Estrada, Engineering Directorate
Kenneth Fernandez, Science and Technology Directorate

Patent Award (continued)

Donald Ford, Shuttle Propulsion Office
Richard Grugel, Science and Technology Directorate
Phillip Hall, Engineering Directorate
Richard Howard, Engineering Directorate
Alok Majumdar, Engineering Directorate
Paul Patterson, Engineering Directorate
Harry F. Schramm, Engineering Directorate
William H. Sims, Science and Technology Directorate
Stanley Smeltzer, NASA/Langley Research Center

Invention of the Year Award

Thomas K. Delay, Engineering Directorate

Software of the Year Award

Daniel J. Dorney, Engineering Directorate
Douglas L. Sondak, Boston University

A NASA high-altitude research balloon like this one will soon send aloft research experiments developed by students at four American universities.

NASA, universities partner to fly research lab in the sky

By Rick Smith

Student researchers at four American universities are partnering with NASA to analyze characteristics of Earth's atmosphere via experiments sent aloft in a one-of-a-kind, high-flying laboratory in the sky.

Undergraduate researchers from Pennsylvania State University in State College, Montana State University in Bozeman, the University of Alabama in Huntsville and Auburn University in Auburn will fly their sophisticated science experiments on NASA's new "Deep Space Test Bed" facility. The aluminum gondola is about the size of a standard passenger car. It is designed to be lifted by NASA's 40-million-cubic-foot scientific balloon to an altitude of about 120,000 feet, or nearly 23 miles.

The gondola was prepared for flight by engineers from NASA's Marshall Center and the University of Alabama in Huntsville, working in partnership at the Huntsville-based National Space Science and Technology Center. NASA's Wallops Flight Facility on Wallops Island, Va., manages the Balloon Program for the Science Mission Directorate at NASA Headquarters in Washington.

The experimental effort, part of Marshall's Space Radiation Shielding project, is managed by the Marshall Center's Exploration Science and Technology Division on behalf of the Human Systems Research and Technology Office at NASA Headquarters.

The gondola is scheduled to fly in early June. The student experiments aboard it will help NASA test the floating lab's structural integrity, power system and data management system -- while enabling the university teams to conduct real-world atmospheric research of their own.

The student involvement resulted from a joint effort by NASA's Student Launch Initiative Program, a hands-on educational program sponsored by the Marshall Center and the National Space Grant Consortium, an affiliation of more than 550 universities, private companies and local education institutions dedicated to inspiring and training the next generation of America's space workforce. Proposals were solicited nationally. Those received were screened by NASA prior to selection for the test flight opportunity.

The project stemmed from NASA's desire always to fly the most efficient -- in this case, experiment-laden -- test flights. The gondola is intended to fly polar routes to enable scientists to study cosmic rays, those billion-electron-volts-strong blasts of radiation energy rocketing through our galaxy at nearly the speed of light. Studies are conducted near the North and South Poles because strong deflection of cosmic radiation by the Earth's magnetic field hinders effective research at latitudes closer to the equator.

First, however, the science gondola required flight testing over the United States. Rather than conduct a dry run with an empty gondola, NASA and the Consortium invited science students from its partner colleges and universities nationwide to propose experiment payloads for the flight -- ones pursuing other areas of NASA research.

"It's our hope to provide these student scientists with hands-on experience in systems design, construction and flight," said NASA engineer Mark Christl, project manager for the Deep Space Test Bed. "This is a terrific way to help inspire and train the next generation of space explorers, while helping NASA fully test a versatile, valuable science resource."

The writer, an ASRI employee, supports the Public and Employee Communications Office.

Daniels

Continued from page 1

Photo by Doug Stoffer/ Marshall Center

Daniels

in the wake of the February 2003 loss of Shuttle Columbia.

Her work on the Shuttle team has been a sobering but exhilarating experience for Daniels. "The real benefit of working in a safety-conscious organization is the constant reminder that we live by more important factors than cost or schedule," she says. "Every day, we're reminded we hold lives in our hands. We're determined to honor that trust and responsibility."

Daniels was born in the bustling Army community of Fort Riley, Kan., but spent the next five years in Germany, her mother's homeland, following the death of Daniels' father when she was just 10 months old. Returning to the States in 1970, Daniels grew up in Columbus, Ga. She graduated from the University of Alabama in Huntsville in 1987 with a bachelor's degree in electrical engineering, and immediately went to work as a systems engineer with a NASA contractor in Huntsville. She married Glenn Daniels the following year.

She joined NASA in 2000 as an engineer in the Marshall Center's Safety and Mission Assurance Office, which routinely rotates safety engineers from one organization or program to another. That system, still in use for key engineering and safety personnel, provides the broadest possible understanding of engineering operations across the Center, Daniels says.

"Each move offers new insight, new ways to partner with NASA teams to improve their processes," she says. "It prevents us from getting tunnel-vision, becoming too focused on a single project or hardware component. The big picture stays foremost in everyone's minds."

Daniels believes that's certainly the case for STS-114. "There's so much excitement," she says. "I just feel very fortunate to be on this team, and to know I had something to do with getting the Space Shuttle flying again."

The writer, an ASRI employee, supports the Public and Employee Communications Office.

STS-114: Space Shuttle Return to Flight

NASA returns Discovery to Vehicle Assembly Building

From Kennedy Space Center Release

The Space Shuttle Discovery is back in the Vehicle Assembly Building at NASA's Kennedy Space Center, Fla. The Shuttle will get a new, modified external fuel tank to ensure a safe Return to Flight mission (STS-114).

Discovery, carried by a Crawler Transporter, entered the assembly building May 26 at 4:30 p.m. EDT. The 10-hour, 4.2 mile trip from Launch Pad 39B was briefly interrupted due to an overheated bearing on the Transporter. The rollback was the 15th in Space Shuttle Program history.

"Rolling back Discovery was the right thing to do and demonstrates our commitment to a safe Return to Flight," said Shuttle Program Manager Bill Parsons. "We will continue to focus on the processing milestones and complete the additional analysis we determined was required, so that we continue to move toward a launch during the July window."

Technicians were to de-mate Discovery from its External Tank and Solid Rocket Boosters on May 31. Discovery will be attached to External Tank-121 on June 7. External Tank-121 was originally scheduled to fly with the Shuttle Atlantis on the second Return to Flight mission (STS-121).

In the Vehicle Assembly Building, a new heater will be added to External Tank on the feedline bellows. It is the part of the pipeline that carries liquid oxygen to the Shuttle's main engines, to minimize potential ice and frost buildup. The tank also has several safety improvements, including an improved bipod fitting that connects it to the Orbiter.

In addition, NASA's second redesigned tank has been outfitted with temperature sensors and accelerometers, used to measure vibration.

These sensors will gather information about the tank's performance during flight.

After the heater is added and the Shuttle is attached to its new propulsion elements, Discovery will roll back out to Launch Pad 39B in mid-June. Discovery's payload, the Italian-built Multi-Purpose Logistics Module Raffaello, will be installed in the payload bay, while the Shuttle is on the pad.

Launch of Discovery for STS-114 is targeted for July 13. The launch window extends to July 31. During its 12-day mission, Discovery's seven-person crew will test new hardware and techniques to improve Shuttle safety and deliver supplies to the International Space Station.

Chrissa Hall receives award from national education group

Hall

By Jack Robertson

Chrissa K. Hall, a human resource specialist at the Marshall Center, has been recognized by a national education association for providing outstanding services to cooperative education.

Recognized for dedication, leadership and innovation to her profession, she received the Charles F. Kettering Award at the national conference of the Cooperative Education & Internship Association, Inc., in Anaheim, Calif., April 5.

Hall, who manages the Marshall Center Cooperative Education Program in the Academic Affairs Office, is credited with revitalizing a program that had seven participants in 1999 into a formalized training program that now serves up to 48 college students every year. She also is responsible for Marshall Center and NASA-wide corporate recruiting.

She joined NASA in 1986 as a co-op student in Marshall's Office of Chief Counsel. In 1987, she was assigned to Marshall's Procurement Office where she later became a contract specialist and a full-time employee in 1991. In 2000, Hall was appointed training consultant and manager of the Cooperative Education Program in the Marshall Learning and Organizational Development Office, where she served until assigned to her current position in 2004.

The Knoxville, Tenn., native earned an associate's degree in office administration from Calhoun Community College in Decatur, Ala., in 1987, and a bachelor's degree in business administration from Athens State University in Athens, Ala., in 1991. She and her husband Tim reside in Hartselle, Ala.

The Charles F. Kettering Award is named for the inventor of the automobile electric self-starter, who worked as research director at General Motors Corporation in Detroit for 27 years. In 1927, he founded the Kettering Foundation in Dayton Ohio, dedicated to research to make democracy work better.

The Cooperative Education & Internship Association, Inc. provides professional services to its members who work with cooperative education and internship programs in colleges, universities, business and industry. It also supports research and publications. More than 500 college and university association members are eligible to nominate employers for the annual award.

The writer, an ASRI employee, supports the Public and Employee Communications Office.

NASA successfully launches environmental satellite

NASA successfully launched a new environmental satellite May 20 for the National Oceanic and Atmospheric Administration (NOAA). It will improve weather forecasting and monitor environmental events around the world.

The NOAA-18 (N) spacecraft lifted off at 6:22 a.m. EDT from Vandenberg Air Force Base, Calif., on a Boeing Delta II 7320-10 expendable launch vehicle. Approximately 65 minutes later, the spacecraft separated from the Delta II second stage.

"The satellite is in orbit and all indications are that we have a healthy spacecraft," said Karen Halterman, the NASA Polar-orbiting Operational Environmental Satellites (POES) Project Manager, Goddard Space Flight Center (GSFC), Greenbelt, Md.

"NASA is proud of our partnership with NOAA in continuing this vital environmental mission," she added.

Flight controllers tracked the launch vehicle's progress using real-time telemetry data relayed through NASA's Tracking and Date Relay Satellite System (TDRSS) starting about five minutes after launch. Approximately 26 minutes after launch, controllers acquired the spacecraft through the McMurdo Sound ground station, Antarctica, while the spacecraft was still attached to the Delta II. Spacecraft separation was monitored by the TDRSS.

Photo by David Higginbotham/ Marshall Center

King updates Gov. Bob Riley

Marshall Center Director David King, left, and Alabama Gov. Bob Riley discuss NASA Return to Flight activities during a recent Alabama League of Municipalities Conference held at the Von Braun Center.

Announcements

New guidelines for company-owned vehicle passes

The Marshall Center Badging office will now issue all company-owned vehicles an extended vehicle pass for a specific period of time. Normally, that period will be one year or less, depending on the expiration date of the subject's contract. The passes will be issued at the Badging and Vehicle Registration Office, Bldg. 4312, Digney Road. Companies with vehicles that have a permanent Department of Defense decal will be contacted and scheduled to have their extended vehicle passes issued. DOD decals already issued to commercial vehicles will be withdrawn and must be turned in. For additional information, contact the MSFC Badging Office at 544-2090.

Job Announcement

MS05C0053, Supervisor, Physicist GS-15, Science and Technology Directorate, Exploration Science and Technology Division, Exploration Research Branch. Closes: June 13. Contact: Debbie Longeddy, 544-2308

Mandatory training for lengthy overseas traveling set

The U.S. Department of State has mandated that all travelers on government business who are TDY outside the United States for more than a cumulative total of 30 days in a calendar year must complete the "Serving Abroad for Families and Employees (SAFE)" training course. This 16-hour course will be held at 8:30 a.m. June 15-16 in the Training Facility in Bldg. 4627. It is open to both Marshall Center contract and civil service travelers. The next session is scheduled for October. This class cannot be scheduled on an individual basis; therefore, attendance is recommended for any employee who has a possibility of approaching 30 days of official overseas travel this year. Team members will be certified for five years following completion of the training. For more information or to register, call Aimee Fluitt at 544-8517 or aimee.r.fluitt@msfc.nasa.gov.

Marshall Association accepting scholarship applications

The Marshall Association is accepting scholarship applications from dependants of Marshall civil servants or retirees. Applicants must be entering college this fall. Two scholarships will be awarded -- one to a student pursuing a degree in a technical field and one seeking a non-technical degree. Applications must be received by June 20. See "Inside Marshall" for application and details.

MARS tournament is Saturday

The MARS Tennis Club will hold an open mixed doubles tournament Saturday beginning with a warm-up at 8 a.m. The tournament begins at 8:30 a.m. In the open mixed format, a club member may invite a non-club member to play in the tournament for a fee of $3. Please contact Bill Boglio, 325-3245, bill_boglio@msn.com to sign up.

Annual employee walk is June 15

Marshall Center team members are invited to join Center Deputy Director Charles Chitwood on June 15 at 9 a.m. for the annual employee walk. The walk begins in front of Bldg. 4315. The organization with the most participants and the organization with the highest percentage of employees participating will each win a trophy shoe.

Classified Ads

Miscellaneous

Children's kneeboard & wakeboard for water sports, $40 each. 468-0854

Solid Maple full-size bed, headboard, footboard, rails, slats, make offer. 772-7262

Acrosonic piano, built by Baldwin, $1,200. 256-536-8732

Large 4-tier brass & crystal chandelier, $250; GE double ovens, white, electric, digital, $300. 214-0110

Six side-by side-plots, Crestview Cemetery, Guntersville, AL. 256-728-4942

Diamond solitaire ring, .25 carat, $75; diamond cluster, heart-shaped ring, $100. 683-1279

Dining room set, 3-piece; entertainment center; pressure cooker/canner; washer & dryer. 256-509-5464

Delta Contractor Pro Series table saw w/roller base, low hour usage, $400. 340-9450

Three Lab puppies, male, AKC registered, 9 wks. old, 2 chocolate, 1 yellow, $125 each. 651-7524

Washer & dryer, $100 each; Boy's Powerwheels Jeep, $100; Woodburning wall insert w/blower, $100. 655-2939

Oak dining table w/6 chairs, $975; Oak hutch w/glass doors, $250; chain-link dog run, $500. 777-2027

New Bulldog remote start w/keyless entry & trunk release, installation instructions, $50. 468-3749

Yorkie pup, CKC, female, 2.5 lbs., 12-weeks old, black/brown, first vet visit, $1,000. 653-9518

Fiberglass running boards for 1997 & up Ford F150 extended cab, red, $100. 233-7583

Pennsylvania House video cabinet, Cherry, up to 30" tv, vcr/dvd, $750. 931-427-2059

Pine wood & glass sofa table and étagère, $140 each. 922-9311

Total Gym 1500, slightly used, $100. 658-3901 evenings

Stereo 5-cd changer, cdr w/cassette player w/front MP3 and game outlets, $65 firm. 325-5866

Portable washing machine, $150; secretary with ball & claw feet, $300. 532-3195

Shell for short S-10 truck, $125; Model-T guitar amp, $500; dual 15" bass cabinet, $150. 851-8085

Shih Tzu, black/white male, 9 months, $200. 508-6630

Tech-Tube, fits 04 Silverado extended, 4-door hd, black, powder coating step bar. 509-2524/Charlie Cox

Snuggli front carrier, $5; infant activity mat, $5; four Einstein videos, $25. 519-6353

Printer, HP1300, 20ppm, 1200x1200 dip, $200. 882-3326

Queen Anne formal tables: cocktail, 2-side tables, cherry finish w/inlay design, Ashley Furniture, $200. 880-3737

Leather couch, tan, oversized, $450; stereo speakers, $50; amplifier, $35. 746-8289

Fender acoustic guitar w/pick-up, Model DG11E and Squire carrying case, $250. 746-9068

La-Z-Boy recliner, burgundy fabric, $125. 683-6967

Dining room table, six chairs, $240; china cabinet, $400; chest of drawers, $100. 828-5805

Vehicles

1989 Jaguar Vanden-Plas, light green w/tan interior, $6,500. 479-2651

1987 Dodge D100 truck, one-owner, 139k miles, maintenance records available, $2,500. 895-9520/Phillip

1998 BMW 740IL, hunter green/tan leather interior, 103k miles, new tires, $16,000. 682-0888

1997 Ford Explorer, 73k miles, beige, ac, pw/pdl, $7,500. 256-653-5731

1994 Mazda 626ES, cd, moon roof, leather interior, $2,400. 837-6352

1977 Procraft Fish-n-Ski, 115 Mercury, $2,500. 714-3769

1998 BMW 540i, 66k miles, leather, all-power, sunroof, loaded, $19,500. 882-7350

New 2000 Toyota Camry silver wheel covers, $100; black nose cover, $50. 880-9184

2003 Nissan Pathfinder, v6/auto, 2wd, tow package, 4-door, 24k miles, cd, silver/charcoal leather, $23,000. 880-3337

2005 Honda Rancher, yellow, 4x4, manual transmission, low hours, $3,900. 497-4116

1957 Oldsmobile 371, auto, 4-door, black/white, all original, $4,800. 828-8955 leave message

2005 Nissan Frontier extended cab, 7k actual miles, under factory warranty. 837-1774

1997 Ford Explorer XLT, beige, 73k miles, pw/pdl/cd, abs, auto, new shocks, $7,500. 256-653-5731

1999 BMW 328iC, white, gray leather, power top, premium, sport, & H-K, 5-speed, 85k miles, $18,795. 837-1035

Aluminum duck/fishing boat w/9.5 Mercury outboard trolling motor, and trailer, $975. 256-679-7609

2000 Saturn SL1, auto, 46k miles, 35mpg, $5,450 firm. 256-572-1867

1999 Chrysler Sebring Coupe LXi, automatic, leather, sunroof, 90k miles, $6,000. 256-256-890-2120

1995 Mazda 626, 130k miles, new transmission, $1,100. 256-881-6862

2000 Toyota Celica GT, 39k miles, 5-speed, black, cd/case, all-power, sunroof, cruise, $14,900. 694-0034

Wanted

Old motorcycles from the 1950-1970s, any condition, or parts. 256-509-3559

Free

Kittens. 881-2676

MARSHALL STAR

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